

CONFIDENTIAL

10/29/56

22 October 1956

MEMORANDUM FOR: THE RECORD

SUBJECT : Visit to

25X1

1. TIME AND PLACE OF MEETING: The meeting was held 26 & 27 September and 15, 16, 17, & 18 October 1956 in Cambridge, Massachusetts.

2. ATTENDANCE:

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3. DISCUSSION:

a. P-163B - ST-2 Production

All units are to undergo the vibration tests and those that have been tested to date showed no effects from vibration. During the drop test the transformer snapped loose but this was compensated for by potting part of the transformer. In future models this problem could be taken care of by designing a different mount for the transformer.

It was noted that the discrepancies that have occurred in the past as to the power output of the ST-2 were due to the fact that the Agency was using peak power where as Baird was reading average power.

Using a dipole antenna introduces a large amount of hum because the case carries hum. It is recommended not to use a dipole antenna with an ST-2.

b. P-163C - VHF AM Transmitter

Two models of both the J-163C transmitter and the RC-1 converter were brought to Washington on 19 October 1956. These units are to be looked at and if there are any complaints about the physical construction, that can be easily taken care of. It will be done to the remaining 18 models.

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c. P-79B -

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c. P-79B - Transistorized Transceiver

It has been decided to have a fixed output on the transmitter portion, but to have a control for the receiver portion of the transceiver. The push to talk switch will be on a lead which can be run down the sleeve of the coat. The printed circuit for the transceiver board is being designed.

d. P-177 - TV Transmitter

The six units for the RCA TV set have been built except for putting in the transistors and then potting. The GE TV appears to be to open to allow the concealment of a transmitter. The set is to be shipped to Washington for further investigation.

e. P-77 - RS-1 Radio Switch

While at [] the undersigned was informed (via a phone call from [] in Washington) that there was pressing interest in the remote switch system. The status of that program is that a receiver has been built on 15 Mc and having sensitivity of 50 μ V to close the relay. It was designed for 50 μ V operation in order to insure it from falsing, but for the present application it is planned to drop the sensitivity to 10 μ V. Because of the above mentioned need, a target date of 9 November 1956 was set. At that time a system consisting of the above mentioned receiver and a body transmitter having an output of from one quarter to one watt will be ready for demonstration.

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Distribution:

- 1 - P-163B
- 1 - P-163C
- 1 - P-79B
- 1 - P-177
- 1 - P-77
- 1 - Chrono

AF/ls

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